

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
D0323 NP  
APPLICATION NO.  
10/800,249  
APPLICANT  
RAMANATHAN ET AL.  
FILING DATE  
MARCH 12, 2004

Group



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>[Signature]</i>	AA	6555330BI	4/29/03	Fearnhead, et al.			
	AB						
	AC						
	AD						
	AE						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>[Signature]</i>	AM	WO0136471A2	5/25/01	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AN	WO0194385A2	12/13/01	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AO	WO2004032928A1	4/22/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AP	WO0213845A2	2/21/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AQ	WO0218938A1	3/7/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

<i>[Signature]</i>	AR	Nomura, et al., "Molecular cloning of cDNAs encoding a LD78 receptor and putative leukocyte chemotactic peptide receptors", Intern. Immunology, Vol. 5(10), pp. 1239-1249 (1993)
	AS	Strausberg, et al., "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences", PNAS, Vol. 99(26), pp. 16899-16903 (2002)
	AT	Soga, et al., "Molecular identification of nicotine acid receptor", Biochem. Biophysical Res. Comm., Vol. 303, pp. 364-369 (2003)

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	2AA	WO02084298A2	10/24/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AB	WO9856820	12/17/98	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AC	EP1270724A2	1/2/03	EP			<input type="checkbox"/>	<input type="checkbox"/>
	2AD	WO03003906A2	1/16/03	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AE	WO0022129	4/20/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AF	WO02061087A2	8/8/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AG	WO02072755A2	9/19/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AH						<input type="checkbox"/>	<input type="checkbox"/>
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2	3AA	Tunaru, et al., "PUMA-G and HM74 are receptors for nicotinic acid and mediate its anti-lipolytic effect", Nature Med., Vol. 9(3), pp. 352-355 (2003)
	3AB	Wise, et al., "Molecular Identification of High and Low Affinity Receptors for Nicotinic Acid", J. of Biol. Chem., Vol. 278(11), pp. 9869-9874 (2003)
	3AC	Zingoni, et al., "Isolation and Chromosomal Localization of GPR31, a Human Gene Encoding a Putative G Protein-Coupled Receptor", Genomics, Vol. 42, pp. 519-523 (1997)
	3AD	NCBI Accession No. XP015921, NCBI Annotation Project, May 7, 2002
	3AE	NCBI Accession No. gi:20477506, NCBI Annotation Project, May 7, 2002
	3AF	NCBI Accession No. AAH63461, Strausberg, et al., December 11, 2003
	3AG	NCBI Accession No. gi:39645841, Strausberg, et al., December 11, 2003
	3AH	NCBI Accession No. BAC06083, Suwa, M., July 23, 2002
	3AI	NCBI Accession No. gi:21928995, Suwa, M., July 23, 2002
	3AJ	NCBI Accession No. XP_015921, NCBI Annotation Project, February 7, 2002
	3AK	NCBI Accession No. gi:13650365, NCBI Annotation Project, February 7, 2002
	3AL	NCBI Accession No. NP_006009, Soga, et al., May 24, 2004
	3AM	NCBI Accession No. gi:5174461, Soga, et al., May 24, 2004
	3AN	NCBI Accession No. XP_015921, NCBI Annotation Project, May 13, 2002

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		NCBI Accession No. gi:20553163, NCBI Annotation Project, May 13, 2002
4AB		NCBI Accession No. AAP64829, Liaw, June 12, 2003
4AC		NCBI Accession No. gi:31700316, Liaw, June 12, 2003
4AD		NCBI Accession No. XP_015921, NCBI Annotation Project, May 13, 2002
4AE		NCBI Accession No. gi:20553163, NCBI Annotation Project, May 13, 2002
4AF		NCBI Accession No. XP_015923, NCBI Annotation Project, JULY 16, 2001
4AG		NCBI Accession No. gi:13650370, NCBI Annotation Project, JULY 16, 2001
4AH		NCBI Accession No. BAB89345, Takeda, et al., May 24, 2002
4AI		NCBI Accession No. gi:20152328, Takeda, et al., May 24, 2002
4AJ		NCBI Accession No. NP_808219, Soga, et al., May 27, 2004
4AK		NCBI Accession No. gi:29171311, Soga, et al., May 27, 2004
4AL		NCBI Accession No. XP_290593, October 17, 2003
4AM		NCBI Accession No. gi:29744333, October 17, 2003
4AN		NCBI Accession No. BAC06094, Suwa, M., July 23, 2002

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5AA	NCBI Accession No. BAC06094, Suwa, et al., July 23, 2002
5AB	NCBI Accession No. XP_090326, NCBI Annotation Project, February 7, 2002
5AC	NCBI Accession No. gi:18601664, NCBI Annotation Project, February 7, 2002
5AD	NCBI Accession No. XP_090326, NCBI Annotation Project, May 13, 2002
5AE	NCBI Accession No. gi:20553191, NCBI Annotation Project, May 13, 2002
5AF	NCBI Accession No. AB065876, Suwa, et al., July 23, 2002
5AG	NCBI Accession No. gi:21929016, Suwa, et al., July 23, 2002
5AH	NCBI Accession No. BC056419, Strausberg, et al., August 20, 2003
5AI	NCBI Accession No. gi:33991646, Strausberg, et al., August 20, 2003
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## U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		U.S. APPLICATION DOCUMENT	DATE OF PUBLICATION	NAME	CLASS	SUBCLASS	FILING DATE
<i>ga</i>	AA	2002/0187514	12/12/02	Chen et al.			
	AB	2004/0038201	2/26/04	Nau et al.			
	AC	2004/0092520	5/13/04	Griffith			
	AD	2004/0117125	6/17/04	Chen et al.			
	AE	2004/0122074	6/24/04	Dow et al.			
	AF	2004/0142377	7/22/04	Unett et al.			

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<i>ga</i>	AG	6,555,339	4/29/03	Liaw et al.			
	AH						
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	AJ						

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							YES	NO
<i>ga</i>	AK	JP 2004-198202	7/15/04	JP			<input type="checkbox"/>	<input type="checkbox"/>
	AL	JP 2004-500614	1/8/04	JP			<input type="checkbox"/>	<input type="checkbox"/>
	AM	WO 2004/037823	5/6/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AN	WO 2004/016608	2/26/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AO	WO 2004/039320	5/13/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

<i>ga</i>	AP	NCBI Entrez Accession No. BC063461 (gi:39645840), Strausberg, R.L. et al., April 1, 2004
	AQ	AbdAlla, S. et al., "AT <sub>1</sub> -receptor heterodimers show enhanced G-protein activation and altered receptor sequestration", Nature, Vol. 407, pp. 94-98 (2000)
	AR	Alam, J. et al., "Reporter Genes: Application to the Study of Mammalian Gene Transcription", Analytical Biochemistry, Vol. 188, pp. 245-254 (1990)

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	2AK	WO 2004/071394	8/26/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	2AL	WO 2004/072648	8/26/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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3AA	Altschul, S.F. et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Research, Vol. 25, No. 17, pp. 3389-3402 (1997)
3AB	Baldwin, J.M., "Structure and function of receptors coupled to G proteins", Current Opinion in Cell Biology, Vol. 6, pp. 180-190 (1994)
3AC	Bateman, A. et al., "The Pfam Protein Families Database", Nucleic Acids Research, Vol. 28, No. 1, pp. 263-266 (2000)
3AD	Baud, V. et al., "EMR1, an Unusual Member in the Family of Hormone Receptors with Seven Transmembrane Segments", Genomics, Vol. 26, pp. 334-344 (1995)
3AE	Blache, P. et al., "Cloning and Tissue Distribution of a New Rat Olfactory Receptor-like (OL2)", Biochemical and Biophysical Research Communications, Vol. 242, No. 3, pp. 669-672 (1998)
3AF	Bolander, F.F., Molecular Endocrinology, Second Edition, Academic Press, Inc., publ., pp. 162-176 (1994)
3AG	Boss, V. et al., "Induction of NFAT-mediated Transcription of G <sub>q</sub> -coupled Receptors in Lymphoid and Non-lymphoid Cells", The Journal of Biological Chemistry, Vol. 271, No. 18, pp. 10429-10432 (1996)
3AH	Chen, G. et al., "Constitutive receptor systems for drug discovery", Journal of Pharmacological and Toxicological Methods, Vol. 42, pp. 199-206 (1999)
3AI	Chiquet-Ehrismann, R. et al., "Tenascin: an Extracellular Matrix Protein Involved in Tissue Interactions during Fetal Development and Oncogenesis", Cell, Vol. 47, pp. 131-139 (1986)
3AJ	Conklin, B.R. et al., "Substitution of three amino acids switches receptor specificity of G <sub>q</sub> to that of G <sub>α</sub> ", Nature, Vol. 363, pp. 274-276 (1993)
3AK	Coughlin, S.R., "Expanding horizons for receptors coupled to G proteins: diversity and disease", Current Opinion in Cell Biology, Vol. 6, pp. 191-197 (1994)
3AL	Dorn II, G.W. et al., "Low- and high-level transgenic expression of β <sub>2</sub> -adrenergic receptors differentially affect cardiac hypertrophy and function in Gα <sub>q</sub> -overexpressing mice", Proc. Natl. Acad. Sci. USA, Vol. 96, pp. 6400-6405 (1999)
3AM	Feng, Y. et al., "HIV-1 Entry Cofactor: Functional cDNA Cloning of a Seven-Transmembrane, G Protein-Coupled Receptor", Science, Vol. 272, pp. 872-877 (1996)
3AN	Fiering, S. et al., "Single cell assay of a transcription factor reveals a threshold in transcription activated by signals emanating from the T-cell antigen receptor", Genes and Development, Vol. 4, pp. 1823-1834 (1990)

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274	4AA	Gaudin, P. et al., "Constitutive Activation of the Human Vasoactive Intestinal Peptide 1 Receptor, a Member of the New Class II Family of G Protein-coupled Receptors", The Journal of Biological Chemistry, Vol. 273, No. 9, pp. 4990-4996 (1998)
	4AB	George, S.E. et al., "Functional Coupling of Endogenous Serotonin (5-HT <sub>1B</sub> ) and Calcitonin (C1a) Receptors in CHO Cells to a Cyclic AMP-Responsive Luciferase Reporter Gene", Journal of Neurochemistry, Vol. 69, No. 3, pp. 1278-1285 (1997)
	4AC	Gilman, A.G., "G Proteins: Transducers of Receptor-Generated Signals", Ann. Rev. Biochem., Vol. 56, pp. 615-649 (1987)
	4AD	Gray, J.X. et al., "CD97 is a Processed, Seven-Transmembrane, Heterodimeric Receptor Associated with Inflammation", The Journal of Immunology, Vol. 157, pp. 5438-5447 (1996)
	4AE	Hawes, B.E. et al., "Phosphatidylinositol 3-Kinase Is an Early Intermediate in the G $\beta\gamma$ -mediated Mitogen-activated Protein Kinase Signaling Pathway", The Journal of Biological Chemistry, Vol. 271, No. 21, pp. 12133-12136 (1996)
	4AF	Hofmann, K. et al., MF C-35: "A Database of Membrane Spanning Protein Segments", Biol. Chem. Hoppe-Seyler, Vol. 374, p. 166 (1993)
	4AG	Horn, F. et al., "G protein-coupled receptors <i>in silico</i> ", J. Mol. Med., Vol. 76, pp. 464-468 (1998)
	4AH	Horn, F. et al., "The Interaction of Class B G Protein-Coupled Receptors with their Hormones", Receptors and Channels, Vol. 5, pp. 305-314 (1998)
	4AI	Karpe, F. et al., "The nicotinic acid receptor — a new mechanism for an old drug", Lancet, Vol. 363, pp. 1892-1894 (2004)
	4AJ	Karttunen, J. et al., "Measurement of ligand-induced activation in single viable T cells using the <i>lacZ</i> reporter gene", Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 3972-3976 (1991)
	4AK	Kim, J.-M. et al., "Structure and function in rhodopsin: Rhodopsin mutants with a neutral amino acid at E134 have a partially activated conformation in the dark state", Proc. Natl. Acad. Sci. USA, Vol. 94, pp. 14273-14278 (1997)
	4AL	Kypson, A.P. et al., "Adenovirus-mediated gene transfer of the $\beta_2$ -adrenergic receptor to donor hearts enhances cardiac function", Gene Therapy, Vol. 6, pp. 1298-1304 (1999)
	4AM	Lu, Z.-L. et al., "The Functional Topography of Transmembrane Domain 3 of the M <sub>1</sub> Muscarinic Acetylcholine Receptor, Revealed by Scanning Mutagenesis", The Journal of Biological Chemistry, Vol. 274, No. 11, pp. 7309-7315 (1999)
✓	4AN	Maniatis, T. et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory, publ., pp. v-x (table of contents) (1982)

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5AA	Matsuoka, I. et al., "Identification of Novel Members of G-Protein Coupled Receptor Superfamily Expressed in Bovine Taste Tissue", Biochemical and Biophysical Research Communications, Vol. 194, No. 1, pp. 504-511 (1993)
5AB	Okada, T. et al., "Activation of rhodopsin: new insights from structural and biochemical studies", Trends in Biochemical Sciences, Vol. 26, No. 5, pp. 318-324 (2001)
5AC	Parma, J. et al., "Somatic mutations in the thyrotropin receptor gene cause hyperfunctioning thyroid adenomas", Nature, Vol. 365, pp. 649-651 (1993)
5AD	Raming, K. et al., "Identification of a Novel G-Protein Coupled Receptor Expressed in Distinct Brain Regions and a Defined Olfactory Zone", Receptors and Channels, Vol. 6, pp. 141-151 (1998)
5AE	Rees, S. et al., Chapter 8: "Reporter gene systems for the study of G protein-coupled receptor signal transduction in mammalian cells", Signal Transduction: A Practical Approach, Second Edition, Oxford University Press, publ., Milligan, G., ed., pp. 171-221 (1999)
5AF	Salcedo, R. et al., "Human endothelial cells express CCR2 and respond to MCP-1: direct role of MCP-1 in angiogenesis and tumor progression", Blood, Vol. 96, No. 1, pp. 34-40 (2000)
5AG	Selbie, L.A. et al., "G protein-coupled-receptor cross-talk: the fine-tuning of multiple receptor-signalling pathways", Trends in Pharmacological Sciences, Vol. 19, pp. 87-93 (1998)
5AH	Sica, A. et al., "Defective Expression of the Monocyte Chemotactic Protein-1 Receptor CCR2 in Macrophages Associated with Human Ovarian Carcinoma", The Journal of Immunology, Vol. 164, pp. 733-738 (2000)
5AI	Strosberg, A.D., "Structure/function relationship of proteins belonging to the family of receptors coupled to GTP-binding proteins", Eur. J. Biochem., Vol. 196, pp. 1-10 (1991)
5AJ	Suto, C.M. et al., "Selection of an Optimal Reporter Gene for Cell-Based High Throughput Screening Assays", Journal of Biomolecular Screening, Vol. 2, No. 1, pp. 7-9 (1997)
5AK	Tao, Y.-X. et al., "Constitutive Activation of G Protein-Coupled Receptors as a Result of Selective Substitution of a Conserved Leucine Residue in Transmembrane Helix III", Molecular Endocrinology, Vol. 14, No. 8, pp. 1272-1282 (2000)
5AL	Thomas, M.B. et al., "Chemoreceptors expressed in taste, olfactory and male reproductive tissues", Gene, Vol. 178, pp. 1-5 (1996)
5AM	Watson, S. et al., "Introduction: Seven Transmembrane Proteins", The G-Protein Linked Receptor FactsBook, Academic Press Limited, publ., pp. 2-6 (1994)
5AN	Wess, J., "G-protein-coupled receptors: molecular mechanisms involved in receptor activation and selectivity of G-protein recognition", The FASEB Journal, Vol. 11, pp. 346-354 (1997)

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	6AA	Whitney, M. et al., "A genome-wide functional assay of signal transduction in living mammalian cells", Nature Biotechnology, Vol. 16, pp. 1329-1333 (1998)
	6AB	Xing, H. et al., "A Fluorescent Reporter Assay for the Detection of Ligands Acting Through G <sub>i</sub> Protein-Coupled Receptors", J. of Receptor & Signal Transduction Research, Vol. 20, No. 4, pp. 189-210 (2000)
	6AC	Yuan, T.T.-T. et al., "Cloning and genetic characterization of an evolutionarily conserved human olfactory receptor that is differentially expressed across species", Gene, Vol. 278, pp. 41-51 (2001)
	6AD	Zlokarnik, G. et al., "Quantitation of Transcription and Clonal Selection of Single Living Cells with $\beta$ -Lactamase as Reporter", Science, Vol. 279, pp. 84-88 (1998)
	6AE	
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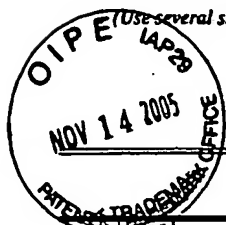
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## U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JLE	AA	2003/0105292 A1	6/5/03	Liaw et al.			
	AB	2003/0078218 A1	4/24/03	Jarai, et al.			
	AC	2003/0068382 A1	4/10/03	Samuel Rose			
	AD	2003/0166148 A1	9/4/03	Chen, et al.			
	AE	2004/0038885 A1	2/26/04	Jarai, et al.			
	AF	2004/0180332 A1	9/16/04	Douglas M. Powell			
	AG	2004/0214837 A1	10/28/04	Griffith, et al.			
	AH	2004/0214838 A1	10/28/04	Carpino, et al.			
	AI	2004/0214855 A1	10/28/04	Carpino, et al.			
	AJ	2004/0214856 A1	10/28/04	Carpino, et al.			
	AK	2004/0224962 A1	11/11/04	Coe, et al.			
	AL	2004/0229844 A1	11/18/04	Cheng, et al.			
	AM	2004/0242641 A1	12/2/04	Buckley, et al.			
	AN	2004/0242644 A1	12/2/04	Buckley, et al.			
	AO	2004/0248881 A1	12/9/04	Carpino, et al.			
	AP	2005/0004178 A1	1/6/05	Unett, et al.			
	AQ	2005/0020616 A1	1/27/05	Coe, et al.			
	AR	2005/0020830 A1	1/27/05	Allen, et al.			
	AS	2005/0058652 A1	3/17/05	Mayers, et al.			
	AT	2005/0059153 A1	3/17/05	George, et al.			
	AU	2005/0084872 A1	4/21/05	Lum, et al.			
	AV	2005/0095607 A1	5/5/05	Erlander, et al.			
	AW	2005/0101592 A1	5/12/05	Carpino, et al.			
	AX	2005/0154029 A1	7/14/05	Unett, et al.			
	AY	2005/0159597 A1	7/21/05	Ji, et al.			
	AAA	2005/0182063 A1	8/18/05	Daniel Yohannes			
	ABB	2005/0187280 A1	8/25/05	Minnich, et al.			
	ACC	2005/0187263 A1	8/25/05	Minnich, et al.			

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<i>gn</i>	2AA	6,833,447 B1	12/21/04	Goldman, et al.			
	2AB	6,555,339 B1	4/29/03	Liaw, et al.			
	2AC	6,902,902 B2	6/7/05	Unett, et al.			
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## FOREIGN PATENT DOCUMENTS

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<i>gn</i>	2AE	DE102 51 244 A1	5/19/04	Germany				
	2AF	JP2004198202A	7/15/04	Japan				
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	4AB	WO2004/083818 A2	9/30/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	4AC	WO2004/080968 A1	9/23/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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	4AH	WO2004/106342 A1	12/9/04	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	5AA	NCBI Entrez Accession No. AAP64864 (gi:31700351), Liaw, et al., June 12, 2003
	5AB	NCBI Entrez Accession No. AAW94654 (gi:59741964), Goldman, et al., February 14, 2005
	5AC	NCBI Entrez Accession No. AAY77240 (gi:67620437), Unett, et al., June 13, 2005
	5AD	NCBI Entrez Accession No. AAY77254 (gi:67620453), Unett, et al., June 13, 2005
	5AE	NCBI Entrez Accession No. BAC06094 (gi:21929017), Suwa, et al., July 23, 2002
	5AF	NCBI Entrez Accession No. BC027965 (gi:20379752), Strausberg, et al., March 8, 2005
	5AG	NCBI Entrez Accession No. BC063461 (gi:39645840), Strausberg, et al., April 1, 2004
	5AH	NCBI Entrez Accession No. NW_114987 (gi:52320775), Genome Sequencing Consortium, November 9, 2004
	5AI	NCBI Entrez Accession No. XP_509519 (gi:55639357), NCBI's Annotation Process, November 9, 2004
	5AJ	Swiss-Prot Accession No. O00270, Release 36, July 1998
	5AK	Swiss-Prot Accession No. P49019, Release 33, February 1996
	5AL	Swiss-Prot Accession No. Q9BXC0, Release 42, October 2003
	5AM	Swiss-Prot Accession No. Q9EP66, Release 16, March 2001-
	5AN	Swiss-Prot Accession No. Q9JLS1, Release 15, October 2000

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

6AA	The I.M.A.G.E. Consortium, I.M.A.G.E. Clone ID: 5176597, ATCC No. 7259808
6AB	The I.M.A.G.E. Consortium, I.M.A.G.E. Clone ID: 5222688, ATCC No. 8605649
6AC	Axelsson, et al., "Male-Biased Mutation Rate and Divergence in Autosomal, Z-Linked and W-Linked Introns of Chicken and Turkey", Molec. Biol. Evol., Vol. 21(8), pp. 1538-1547 (2004)
6AD	Barrantes, F.J., "Structural basis for lipid modulation of nicotinic acetylcholine receptor function", Brain Research Reviews, Vol. 47, pp. 71-95 (2004)
6AE	Benyo, et al., "Mechanism of Nicotinic Acid-Induced Flushing In Mice", Archives of Pharmacology, Vol. 371, No. Suppl. 1, pp. R9 (2005)
6AF	Carlson, L.A., "Nicotinic acid: the broad-spectrum lipid drug. A 50 <sup>th</sup> anniversary review", J. Internal Med., Vol. 258, pp. 94-114 (2005)
6AG	daCosta, et al., "Phosphatidic Acid and Phosphatidylserine Have Distinct Structural and Functional Interactions with the Nicotinic Acetylcholine Receptor", J. Biol. Chem., Vol. 279(15), pp. 14967-14974 (2004)
6AH	Delibas, et al., "Effect of Nicotine on Hippocampal Nicotinic Acetylcholine $\alpha 7$ Receptor and NMDA Receptor Subunits 2A and 2B Expression in Young and Old Rats", Intern. J. Neuroscience, Vol. 115, pp. 1151-1163 (2005)
6AI	dePlanque, et al., "The $\alpha M1$ segment of the nicotine acetylcholine receptor exhibits conformational flexibility in a membrane environment", Biochimica Biophysica Acta, Vol. 1665, pp. 40-47 (2004)
6AJ	Fang, et al., "Single Channel Fluctuations of Self-Assembled Oligomeric M2 Peptide Sequences Incorporated in a Synthetic Lipid Bilayer", Science Engin., Vol. 90, pp. 691 (2004)
6AK	Gottschalk, et al., "Identification and characterization of novel nicotinic receptor-associated proteins in <i>Caenorhabditis elegans</i> ", EMBO J., Vol. 24(14), pp. 2566-2578 (2005)
6AL	Karpe, et al., "The nicotinic acid receptor--a new mechanism for an old drug", The Lancet, Vol. 363, pp. 1892-1894 (2004)
6AM	Keller, et al., "Performance of $\alpha 7$ nicotinic receptor null mutants is impaired in appetitive learning measured in a signaled nose poke task", Behavioural Brain Res., Vol. 162, pp. 143-152 (2005)
6AN	Kishimoto, et al., "Studies on the Phosphorylation of Myelin Basic Protein by Protein Kinase C and Adenosine 3':5'-Monophosphate-dependent Protein Kinase", J. Biol. Chem., Vol. 260(23), pp. 12492-12499 (1985)

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7AA	Klein, et al., "Inhibition of Nicotinic Acetylcholine Receptors by Apolipoprotein E-Derived Peptides in Rat Hippocampal Slices", <i>Neurosci.</i> , Vol. 127, pp. 563-567 (2004)
7AB	Kostenis, et al., "A Highly Conserved Glycine within Linker I and the Extreme C Terminus of G Protein $\alpha$ Subunits Interact Cooperatively in Switching G Protein-Coupled Receptor-to-Effector Specificity", <i>J. Pharm. Exper. Therapeutics</i> , Vol. 313(1), pp. 78-87 (2005)
7AC	Kottwitz, et al., "Intracellular domains of the $\delta$ -subunits of <i>Torpedo</i> and rat acetylcholine receptors--expression, purification, and characterization", <i>Protein Exp. Purification</i> , Vol. 38, pp. 237-247 (2004)
7AD	Lee, et al., "Discovery and mapping of ten novel G protein-coupled receptor genes", <i>Gene</i> , Vol. 275, pp. 83-91 (2001)
7AE	Meyers, et al., "Niacin therapy in atherosclerosis", <i>Curr. Opin. Lipidology</i> , Vol. 15, pp. 659-665 (2004)
7AF	Pediconi, et al., "Metabolic Cholesterol Depletion Hinders Cell-Surface Trafficking of the Nicotinic Acetylcholine Receptor", <i>Neuroscience</i> , Vol. 128, pp. 239-249 (2004)
7AG	Pike, et al., "Identification of a nicotinic acid receptor: Is this the molecular target for the oldest lipid-lowering drug?", <i>Curr. Opin. Invest. Drugs</i> , Vol. 5(3), pp. 271-275 (2004)
7AH	Pratt, et al., "Nucleus Accumbens Acetylcholine Regulates Appetitive Learning and Motivation for Food via Activation of Muscarinic Receptors", <i>Behav. Neuroscience</i> , Vol. 118(4), pp. 730-739 (2004)
7AI	Qi, et al., "Oxidative stress induced by beta-amyloid peptide <sub>1-42</sub> is involved in the altered composition of cellular membrane lipids and the decreased expression of nicotinic receptors in human SH-SY5Y neuroblastoma cells", <i>Neurochem. Internat.</i> , Vol. 46, pp. 613-621 (2005)
7AJ	Remmele, et al., "Scan-Rate-Dependent Melting Transitions of Interleukin-1 Receptor (Type II): Elucidation of Meaningful Thermodynamic and Kinetic Parameters of Aggregation Acquired from DSC Simulations", <i>J. Am. Chem. Soc.</i> , Vol. 127, pp. 8328-8339 (2005)
7AK	Schimenti, John C., "ORFless, intronless, and mutant transcription units in the mouse <i>t</i> complex responder ( <i>Tcr</i> ) locus", <i>Mammalian Genome</i> , Vol. 10, pp. 969-976 (1999)
7AL	Slotkin, et al., "Effects of Prenatal Nicotine Exposure on Primate Brain Development and Attempted Amelioration with Supplemental Choline or Vitamin C: Neurotransmitter Receptors, Cell Signaling and Cell Development Biomarkers in Fetal Brain Regions of Rhesus Monkeys", <i>Neuropsychopharmacology</i> , Vol. 30, pp. 129-144 (2005)
7AM	Tunaru, et al., "Site Directed Mutagenesis of the Nicotinic Acid Receptor (HM74A) Reveals a Role of Extracellular Loop 1 and 2 in Ligand Binding and Specificity", Vol. 371, No. Suppl. 1, pp. R17 (2005), 46th Spring Meeting of the Deutsche-Gesellschaft-fur- Experimentelle-und-Klinische-Pharmakologie-und-Toxikologie. Mainz, GERMANY. March 15 -17, 2005.
7AN	Tsai, et al., "Down-regulating effect of nicotine on connexin43 gap junctions in human umbilical vein endothelial cells is attenuated by statins", <i>Eur. J. Cell Biol.</i> , Vol. 82, pp. 589-595 (2004)

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8AA	Verdier, et al., "Binding Sites of Amyloid $\beta$ -Peptide in Cell Plasma Membrane and Implications for Alzheimer's Disease", Curr. Prot. Peptide Science, Vol. 5, pp. 19-31 (2004)
8AB	Verdier, et al., "Amyloid $\beta$ -Peptide Interactions with Neuronal and Glial Cell Plasma Membrane: Binding Sites and Implications for Alzheimer's Disease", J. Peptide Science, Vol. 10, pp. 229-248 (2004)
8AC	Westover, et al., "The Enantiomer of Cholesterol", J. Membrane Biology, Vol. 202, pp. 61-72 (2004)
8AD	Williamson, et al., "Structural and functional studies of the nicotinic acetylcholine receptor by solid-state NMR", Eur. Biophys J., Vol. 33, pp. 247-254 (2004)
8AE	Woodgett, et al., "Substrate specificity of protein kinase C", Eur. J Biochem., Vol. 161(1), pp. 177-84 (1986)
8AF	You, et al., "Gene expression profiles in mammary gland of male rats treated with genistein and methoxychlor", Environ. Toxicology Pharmacol., Vol. 18, pp. 161-172 (2004)
8AG	Zellner, et al., "Variations in Human HM74 (GPR109B) and HM74A (GPR109A) Niacin Receptors", Human Mutation, Vol. 25, pp. 18-21 (2005)
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